

COUNTY SURVEYOR'S RECORD, DOUGLAS COUNTY, OREGON

BUSHONG & CO. PORTLAND, ORE. 87545

FB 5-60

Survey No. Made on Feb 19, 20, 21 & 22
In Town. 25 S **Range** 6 W WM **Sec.** 1 -
Made for W.A. Davison & F.A. Bemis
Purpose of Legal survey to establish section line from $\frac{1}{4}$ sec post common to sec 1 & 2 to the S.W. cor Joseph L. Gilbert DLC #61 and a south bdy line of the same Cl #61 running in an easterly direction.

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In Town. **Range** **Sec.**
Made for
Purpose of

C.W. Springer Deputy County Surveyor
 H.E. Bergh Chairman
 W.A. Davison and F.A. Bemis present

C.S. 2A

J.W. Cole, County Surveyor sent legal notices to the interested parties by registered letter setting Feb. 19, 1923 as the date for beginning survey.

I began survey the morning of Feb. 19, 1923 at the section corner common to sections 35 & 36 T 24 S R 6 W WM and sections 1 & 2 T 25 S R 6 W WM from which an original B.T. a B. Oak 18" in dia bears S 1° E 108 lks in good condition, an original B.T. a B. Oak 18" in dia bears N. 65° W 177 lks in good condition, an original B.T. a B. Oak 18" in dia bears N 73 $\frac{1}{2}$ ° E 285 lks in good condition and a burned oak stump which evidence showed as an original B.T. I replace corner with an iron pin $1\frac{1}{2}$ " x 30" driven in ground and from which a B. Oak stump 12" in dia bears S 59° W 100.7 lks (66.4 ft). Used this stump because all available trees had been slashed and burned.. I then ran a transit traverse line with doubled vernier angles and a var of 21°45' E, in a southerly direction to the $\frac{1}{4}$ sec post common to sections 1 & 2 T 25 S R 6 W WM which I replace with an iron pipe $1\frac{1}{2}$ " x 30" driven in ground from an original B.T. in good condition, a B. Oak 12" in dia bearing N 28° E 30 lks and evidence of an old oak tree bearing S 86° W 133 lks also a rotten oak stake bearing scribe marks and marked a new B.T. a W. oak 16" in dia bearing S 59° W 58 lks (38.5 ft). Because all evidence had been destroyed I replace the S.W. corner of the Joseph L. Gilbert Cl. #61 on the section line 26.50 ch. S 0° 44' W from the section corner common to sections 35 & 36 T 24 S R 6 W WM and sections 1 & 2 T 25 S R 6 W WM and drive in ground an iron pipe $1\frac{1}{2}$ " x 30" ~~xxxx~~ from which a B. Oak ~~xxxx~~ 6" in dia bears N 51° E 85 ft. slope measurement marked as per instructions. Thence in an easterly direction to the county road where I look for evidence of the N.W. Interior L corner of the Joseph L. Gilbert Cl. # 61 T 25 S R 6 W WM. Failing to find any evidence I compute a point at right angles to the section line common to sections 1 & 2 T 25 S R 6 W WM and bearing S 89° 16' E 23.58 ch. Thence south 33°57' E 709.7 ft to a transit point marked #1 from which I took two solar observations as follows; set transit at point #1, backsighted on the hub at the computed point S 89°16' E 23.58 ch of the S.W. cor J.L. Gilbert Cl # 61, magnetic course between these two hubs being S 33° 17' E.

Formulae- Cos Q = Tan Alt x Tan Lat - (- Sin Dec. x Sec Alt x Sec Lat)
 #1 Time 10:13 AM Feb 21 1923. Hort. angle 2°26' left. Vert angle 28°30'
 Dec. Feb 21/23 equals S 10° 49.2' H.C. equals 54" x 6 equals 324"
 Corr. for 6 hrs 5.4'
 10:00 AM S 10° 43.8' Alt 28°30' - Ref Corr for 2 hrs of 1' equals Alt 28°29'
 Lat N 43°26' From formulae Cos Q equals .80547 equals Q S 36°21' E -2°26' equals S 33°55'
 # 2 Time 10:30 AM Feb 21/23. Hort angle 0°38' left. Vert angle 29°17'
 Dec. 2/21/23 equals same as above S 10° 43.8'
 Alt 29°17' - Ref Corr for 2 hrs ~~xxxx~~ of 1' equals 29°16'
 Lat N 43°26. From formulae Cos Q equals .82455 equals Q S 34°27' E -0°38' equals S 33°59' E

Average of the two observations equals S 33°57' E. for the between these hubs. The parties in dispute agreed at this time to call the line between the S.W. corner of the J.L. Gilbert Cl #61 and my computed point S 89°16' E 23.58 ch. the legal property line ~~xxxx~~ so I then drove an iron pipe $1\frac{1}{2}$ " x 30" at that point and from which a W. Oak 18" in dia bears N50°W 79.2 ft and a W. Oak 6" in dia bears N 20°40' E 25.4 ft., said iron pipe being the approx. location of the N W Interior L corner of the Joseph L. Gilbert DLC #61 T 25 S R 6 W WM. Weather for the first two days was cloudy and cool and the third day sunshine. Chaining carefully done, partly by hort method and partly by slope measurements and vertical angles. Mr. W.A. Davison present at all times and Mr. F.A. Bemis present part of all three days.

